

CLAIMS

1. A method of qualitative improvement of the products of the tobacco plant (1), to reduce the harmful biological consequences of the use of its products, which uses electromagnetic waves (6), and is characterized by the fact, that the volume of tobacco plant products (1) receives electromagnetic energy from a synthetic electromagnetic emission covering wide ranges of frequencies, comprising a determined and/or not determined multitude of independent electromagnetic waves emissions (6) of different attribute frequency value, and is produced by electronic and/or electromechanical devices (3), each independent emission and/or the synthetic emission as a whole operating non-continuously, but in a way comprising its chronic interruption and/or the change of its power output from maximum to zero using any form of pulses.
2. A method of qualitative improvement of the products of the tobacco plant according to claim 1, characterized by the fact, that each independent emission of electromagnetic waves with attribute frequency values and/or the synthetic emission, which in its entirety consists of a multitude of emissions of electromagnetic waves with different attribute frequency value (6), operates with symmetrical and/or asymmetrical duration of interruption and operation time and with any kind of composition of symmetrical and/or asymmetrical duration of interruption and operation time and any form of pulse for periodical power output change of each independent and/or synthetic emission.
3. A method of qualitative improvement of the products of the tobacco plant according to ^{claim 1} (claims 1 and 2), characterized by the fact, that the interruption duration of each independent and/or the synthetic emission may have any value from 1 picosecond to 20 seconds, preferably 1 pusec to 2 seconds at the most, and

the duration of operation of each independent and/or the synthetic emission may have any value from 1 femtosecond to 5 seconds, preferably 1 psec to 0,5 seconds at the most.

5 4. A method of qualitative improvement of the products of the tobacco plant according to ^{claim 1} (claims 1, 2 and 3) characterized by the fact, that the independent emissions of different frequencies of electromagnetic waves (6) have each different and/or the same power and cover a wide range or ranges or the
10 entire widest range of electromagnetic spectrum frequencies from 30 Hz up to 300 GHz, so that the emitted impulse excitation activity of each independent electromagnetic waves emission with attribute frequency value coincides suitably with the natural pulsing frequency of each atomic and/or molecular
15 system of the tobacco elements creating resonance circumstance.

5. A method of qualitative improvement of the products of the tobacco plant according to ^{claim 1} (claims 1 to 4) characterized by the
20 fact, that independent emissions of different electromagnetic waves frequencies (6), with any attribute frequency value created in the widest range of electromagnetic spectrum frequencies from 30 Hz up to 300 GHz, are emitted towards the volume of tobacco plant products (1), preferably in the wide
25 range of electromagnetic spectrum frequencies from 30 Hz up to 50 GHz.

6. A method of qualitative improvement of the products of the tobacco plant according to ^{claim 1} (claims 1 to 5), characterized by the
30 fact, that appliance of the method is carried out by at least one device emitting a predetermined and/or not determined multitude of independent emissions of different electromagnetic waves frequencies (6) when in operation.

35 7. A method of qualitative improvement of the products of the tobacco plant according to ^{claim 1} (claims 1 to 5), characterized by the

fact, that appliance of the method is carried out by more than one devices emitting each a predetermined and/or not determined multitude of independent emissions of different electromagnetic waves frequencies (6) when in operation, wherein each device emits a predetermined and/or not determined multitude of electromagnetic waves (6) emissions of essentially different and/or essentially identical frequencies as the other devices.

10 8. A method of qualitative improvement of the products of the tobacco plant according to (claims 1 to 7), characterized by the fact, that the synthetic emission consisting of a multitude of independent emissions of different electromagnetic waves frequencies (6) of different and/or identical frequencies as a total as well as each independent emission of electromagnetic waves with specific attribute frequency value may be also modulated by any kind of modulating type.

20 9. A method of qualitative improvement of the products of the tobacco plant according to (claims 1 to 8), characterized by the fact, that it is also applied by the essentially simultaneous or not operation of more than one devices emitting a predetermined and/or not determined multitude of independent electromagnetic waves (6) emissions of different frequencies in the same place, where each one emits electromagnetic energy of the same and/or different power.

30 10. A method of qualitative improvement of the products of the tobacco plant according to (claims 1 to 9), characterized by the fact, that the total of power emitted towards the tobacco products must bring about the desired result remaining at low levels, so that no significant increase of temperature occurs in the tobacco products to which the method is applied, either by using one or more devices.

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11. A method of qualitative improvement of the products of the tobacco plant according to ^{claim 1} (claims 1 to 10), characterized by the fact, that the duration of its application depends on the kind of tobacco products on which it is applied, and that the duration of said application is in proportion to the desired qualitative improvement, so that the longer the duration of application the greater the qualitative improvement of the tobacco products on which application takes place.
12. A method of qualitative improvement of the products of the tobacco plant according to ^{claim 1} (claims 1 to 11), characterized by the fact, that it is applied to final tobacco products or not, which may be either at some stage of production, or after completion of their production, or while storage and with any way or material of packaging, even if any material is interposed between the electromagnetic energy emission source and the tobacco products with the exception of conductible materials which are grounded.
13. A method of qualitative improvement of the products of the tobacco plant according to ^{claim 1} (claims 1 to 12) characterized by the fact, that it can be used broadly in industry, manufacturing and commercial enterprises of tobacco products.

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electromechanical devices (3), each independent emission and/or the synthetic emission as a whole operating non-
15 continuously, but in a way comprising its chronic interruption and/or the change of its power output from maximum to zero using any form of pulses.

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20 that each independent emission of electromagnetic waves with attribute frequency values and/or the synthetic emission, which in its entirety consists of a multitude of emissions of electromagnetic waves with different attribute frequency value
25 (6), operates with symmetrical and/or asymmetrical duration of interruption and operation time and with any kind of composition of symmetrical and/or asymmetrical duration of interruption and operation time and any form of pulse for periodical power output change of each independent and/or
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10 entire widest range of electromagnetic spectrum frequencies from 30 Hz up to 300 GHz, so that the emitted impulse excitation activity of each independent electromagnetic waves emission with attribute frequency value coincides suitably with the natural pulsing frequency of each atomic and/or molecular
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25 range of electromagnetic spectrum frequencies from 30 Hz up to 50 GHz.

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11. A method of qualitative improvement of the products of the tobacco plant according to claims 1 to 10, characterized by the fact, that the duration of its application depends on the kind of tobacco products on which it is applied, and that the duration of said application is in proportion to the desired qualitative improvement, so that the longer the duration of application the greater the qualitative improvement of the tobacco products on which application takes place.
12. A method of qualitative improvement of the products of the tobacco plant according to claims 1 to 11, characterized by the fact, that it is applied to final tobacco products or not, which may be either at some stage of production, or after completion of their production, or while storage and with any way or material of packaging, even if any material is interposed between the electromagnetic energy emission source and the tobacco products with the exception of conductible materials which are grounded.
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